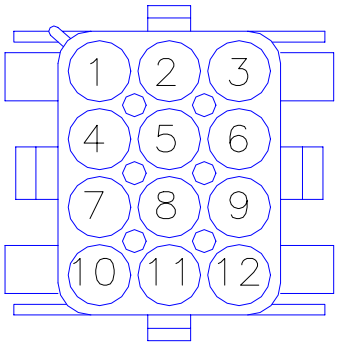
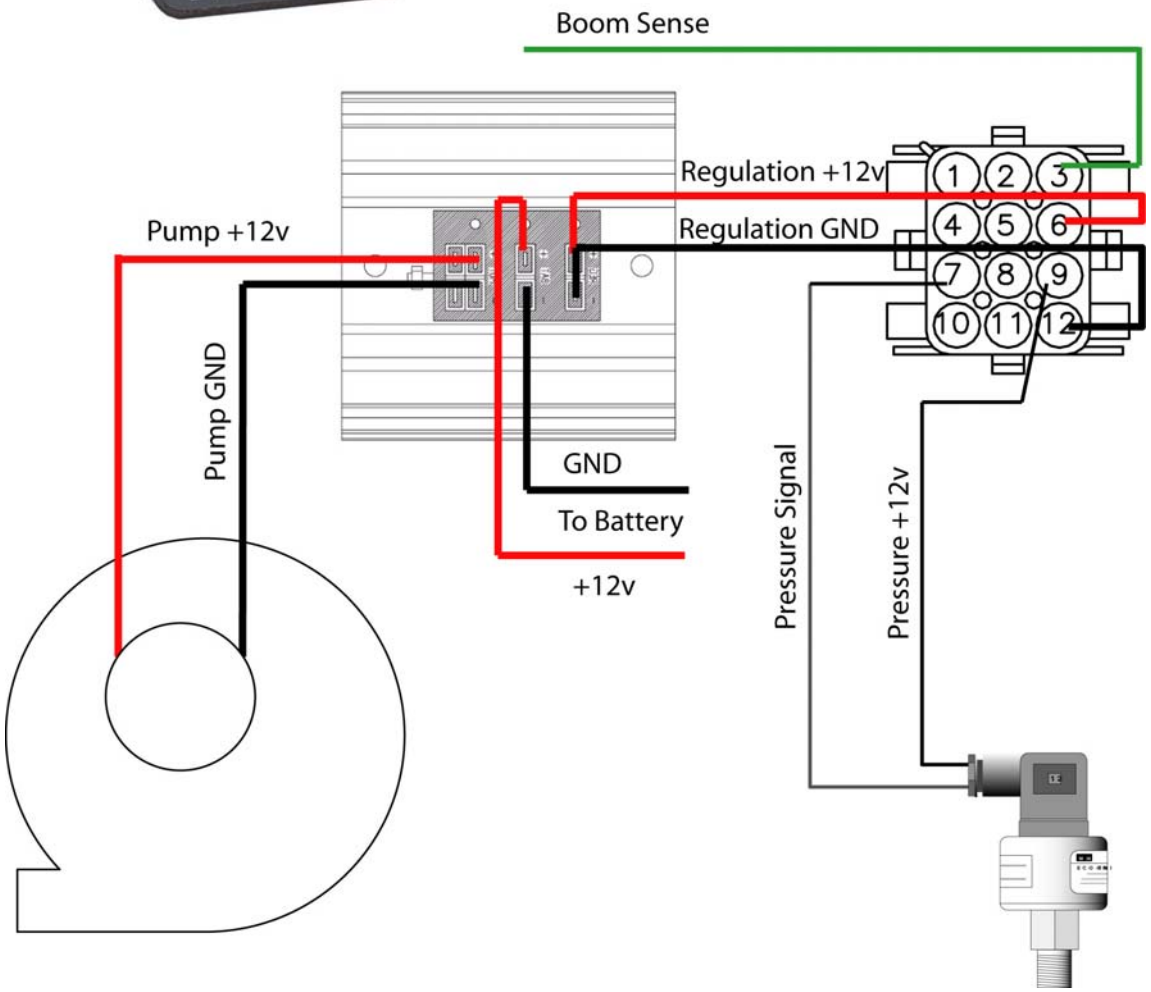
1. Connections table and Assembly

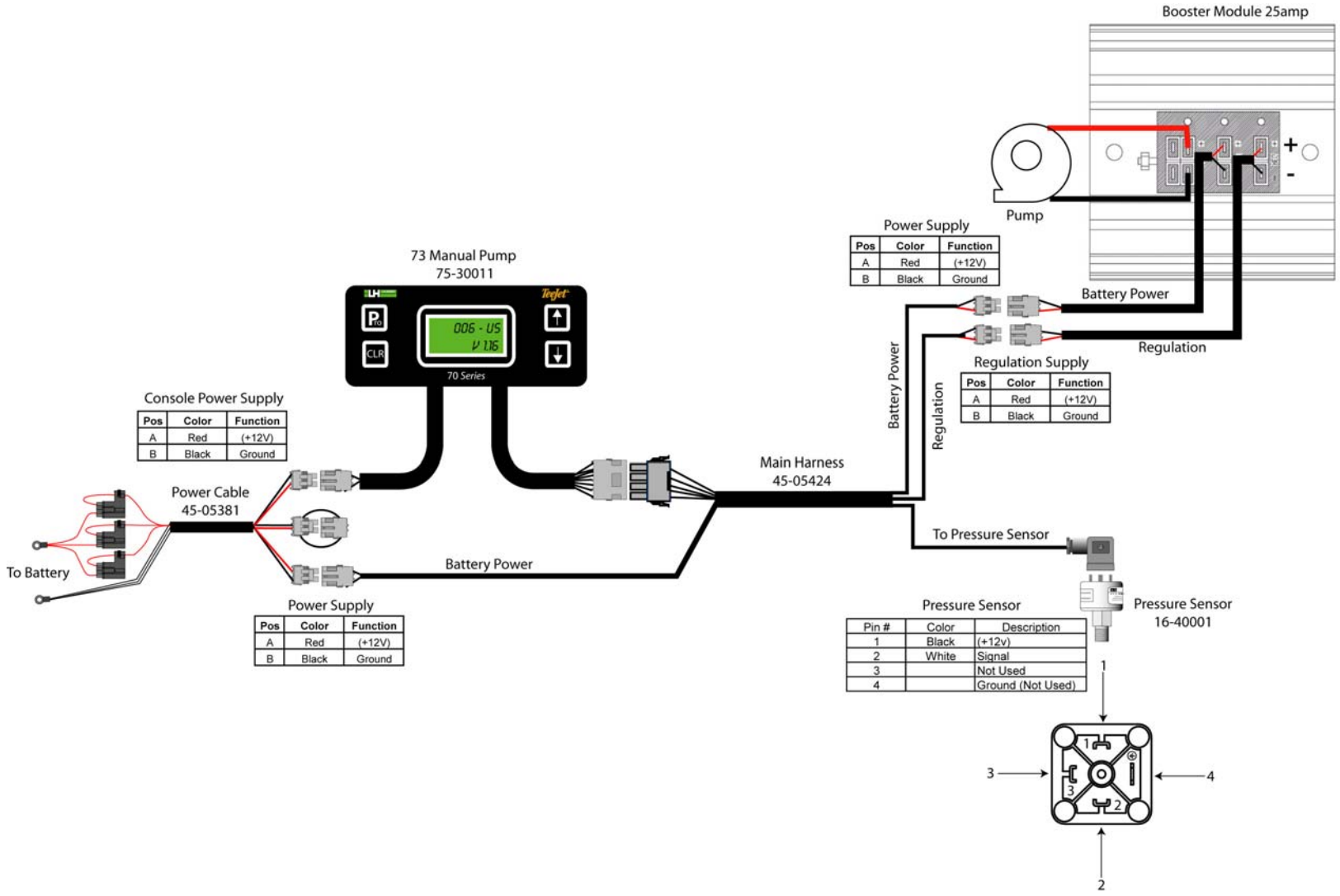


View from cable (45-05424) side

Contact	Color	Description
1		
2		
3	Green	Boom Sense input (+12v = work)
4		
5		
6	Red	Regulation output +12v
7	White	Pressure Signal
8		
9	Black	+12v Pressure Sensor
10		
11	Black	Regulation output -GND
12		



2. System overview



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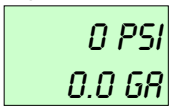
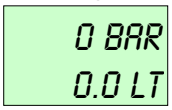
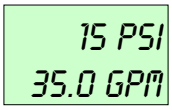
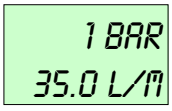
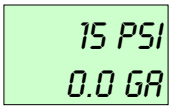
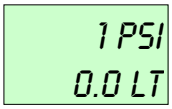
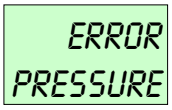
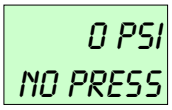
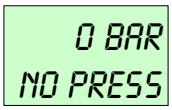
3. Generality

Function	Key	Description
1. Power on	**Pro**	The unit will power on and show the first working screen US Units  Metric Units 
2. Power off	⇑ and ⇓	The unit will power off
3. Selection of working screen	⇑ or ⇓	The first line on display show dose rate Second line is user selectable
4. Master Pump ON/OFF	**Pro** ON/OFF	If Boom Sense in NOT used **Pro** can be used to turn the pump ON/OFF

4. Functionality

Function	Display	Possible actions	Comments
1. Pressure Flow When Master is ON	 	⇑ to increase pump (pressure) RPM ⇓ to decrease pump (pressure) RPM	Upper line : Actual pressure Lower line : Actual Flow rate
2. Pressure Flow When Master is OFF	 	**CLR** for 3 second to reset second line.	Upper line : Actual pressure Lower line : Accumulated volume or Total Volume

5. Alarms

Function	Display	Possible actions	Comments
1. No Pressure Signal		**CLR** to disable alarm	Alarm message will appear on the second line indicating that no pressure signal is received; Check pressure sensor for damaged or bad connection.
2. No Pressure in system	 	**CLR** to disable alarm	Alarm message will appear on the second line indicating that there is no pressure in the system. Tank could be empty or pump could be stopped.

6. Program

Function	Display	Possible actions	Comments
Access Exit		Push **Pro** for 3 seconds Push **Pro** for 3 seconds	Master must be off
1. Nozzle	NOZZLE SETUP	⇓ to select another step **Pro** to enter nozzle setup (1.1) Push **Pro** for 3 seconds to escape program	
1.1	ISO 04 0.40 G/M ISO 04 1.31 L/M	⇑ ⇓ to select a nozzle **Pro** to validate selected nozzle If a programmable nozzle is needed select programmable nozzle and push **Pro** go to step 1.2: programmable nozzle value.	
1.2	@ 40 PSI 1.43 G/M @ 2 BAR 1.12 L/M	⇑ ⇓ to modify gal/min value **Pro** to validate value	US Units Enter nozzle rating in gallons / minute @ 40PSI Metric Units Enter nozzle rating in liters / minute @ 2Bar
2. Pressure sensor	PRESSURE SETUP	⇑ ⇓ to select another step **Pro** to enter calibration (2.1) Push Pro for 3 seconds to escape program	Maximum pressure allowed by the sensor.
2.1	MAX PRS 150 PSI MAX PRS 10 BAR	⇑ ⇓ to modify max pressure value **Pro** to validate max pressure and go to the zero PSI calibration (2.2)	Max pressure rating for the sensor can be found on the sensor or by contacting your 70 series monitor distributor.
2.2	CALIBR. AT 0 PSI CALIBR. AT 0 BAR	**Pro** for auto calibration of the pressure sensor at zero PSI	**!!! Be sure there is no pressure in the system !!!**
2.3	DELTA PR 5	⇑ ⇓ to modify value **Pro** to validate value	This value is used to compensate the pressure drop between pressure measurement point and nozzle. If not needed, set it to 0.The higher the value, the higher the compensation.

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